

What Is Claimed Is:

1. A multiple layers laminated polyolefin foam having a plurality of polyolefin layers laminated on at least one side of a polyolefin foam by a coextrusion method, wherein the thickness of the outermost layer constituting said plurality of polyolefin layers is 5 to 80 μm , and the density d (g/L) of said polyolefin foam, the melt flow rate X (g/10 min) of the polyolefin resin constituting the innermost layer among said plurality of polyolefin layers, and the thickness Y (μm) of the innermost layer of said plurality of polyolefin layers satisfy the following relationships (1) to (4):

$$Y \leq 0.29dX \quad \dots (1)$$

$$5 \leq X \leq 40 \quad \dots (2)$$

$$70 \leq Y \leq 300 \quad \dots (3)$$

$$100 \leq d \leq 300 \quad \dots (4)$$

2. The multiple layers laminated polyolefin foam according to claim 1, wherein the density d (g/L) of the polyolefin foam is 120 to 300 g/L, the melt flow rate X (g/10 min) of the polyolefin constituting the innermost layer among the polyolefin layers is 8 to 40 g/10 min, and the thickness Y (μm) of the innermost layer among the polyolefin layers is no more than $0.26dX$.

3. The multiple layers laminated polyolefin foam according to claim 1, wherein the base resin constituting the polyolefin foam and polyolefin layers in the multiple layers laminated polyolefin foam is of at least one type
5 selected from polypropylenes and polyethylenes.

4. The multiple layers laminated polyolefin foam according to any of claims 1, 2, and 3, wherein the outermost layer among the polyolefin layers in the multiple
10 layers laminated polyolefin foam contains a polymer-type antistatic agent so that the surface resistivity is no more than $1 \times 10^{13} \Omega$.

5. The multiple layers laminated polyolefin foam
15 according to claim 4, wherein the polymer-type antistatic agent comprises a compound of at least one type selected from polyetheresteramides and polyethers as the main component.

20 6. The multiple layers laminated polyolefin foam according to claim 5, wherein the polyetheresteramide is a polymer obtained by polymerization reaction of a polyamide with an alkylene oxide adduct of a bisphenol.

25 7. The multiple layers laminated polyolefin foam according to claim 6, wherein the polyamide is of at least one type, selected from caprolactam polymer, 12-

aminododecanoic acid polycondensate, and adipic acid - hexamethylene diamine polycondensate.

8. The multiple layers laminated polyolefin foam
5 according to claim 5, wherein the polyether is compounds
having at least two quaternary ammonium bases and is the
reaction products of (a) an oxyalkylene ether obtained by
addition reaction of an alkylene oxide with a phenol -
divinyl benzene addition polymer, (b) one type of glycidyl
10 ether selected from glycidyl ethers of polyoxyalkylene
glycols and glycidyl ethers of adducts of phenols and
alkylene oxides, an amine compound having an aliphatic
hydrocarbon group containing 1 to 22 carbon atoms, and a
quaternizing agent.

9. The multiple layers laminated polyolefin foam
15 according to claim 8, wherein (a) the polyoxyalkylene ether
is an adduct obtained by the addition reaction of ethylene
oxide and a copolymer of ethylene oxide and propylene oxide
with a bisphenol - divinyl benzene addition polymer, (b)
20 the glycidyl ether of polyoxyalkylene glycol is glycidyl
ether of polyoxyethylene glycol, and the adduct of a phenol
and an alkylene oxide is an adduct of bisphenol and
ethylene oxide.

25 10. The multiple layers laminated polyolefin foam
according to any of claims 4, and 5, wherein the outermost

layer among the polyolefin layers contains 2 to 30 wt.% polymer-type antistatic agent.

11. The multiple layers laminated polyolefin foam
5 according to any of claims 1 to 10, wherein the ratio (α/β)
of the melt flow rate (α) of the polymer-type antistatic
agent and the melt flow rate (β) of the base resin
constituting the outermost layer among the polyolefin
layers is at least no less than 0.5.

12. The multiple layers laminated polyolefin foam
according to any of claims 1 to 11, wherein the thickness
of the entire laminated foam is 2 to 10 mm and the closed
cell ratio of the laminated foam is at least no less than
15 60%.

13. The multiple layers laminated polyolefin foam
according to any of claims 1 to 11, wherein the thickness
of the entire laminated foam is 2 to 10 mm and the closed
20 cell ratio of the laminated foam is at least no less than
70%.

14. The multiple layers laminated polyolefin foam
according to any of claims 1 to 11, wherein the thickness
25 of the entire laminated foam is 2 to 10 mm and the closed
cell ratio of the laminated foam is at least no less than
80%.

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